

WHAT IS CLAIMED IS:

1. A polymer composition comprising a blend of A) and B);

A) greater than or equal to 40 percent by weight (based on the combined weights of Component A and B) of one or more fillers; and

5 B) less than 60 percent by weight (based on the combined weights of Component A and B) of one or more base polymers;

wherein said one or more base polymers is a homogeneous ethylene/C₃-C₂₀ alpha-olefin interpolymer or a C₃-C₂₀ homopolymer or interpolymer, and has

1) a total crystallinity of from 0 to 30 percent; and

10 2) a Brookfield viscosity of from 500 to 50,000 cP measured at 350°F. (177°C).

2. The polymer composition of Claim 1 wherein;

A) said one or more fillers, Component A, is present in an amount of greater than or equal to 60 percent by weight (based on the combined weights of Component A and B); and

15 B) said one or more base polymers, Component B, is present in an amount of less than 40 percent by weight (based on the combined weights of Component A and B); and

wherein said base polymer has

1) a total crystallinity of from 3 to 25 percent; and

2) a Brookfield viscosity of from 2,000 to 30,000 cP measured at 350°F. (177°C).

20

3. The polymer composition of Claim 1 wherein;

A) said one or more fillers, Component A, is present in an amount of greater than or equal to 80 percent by weight (based on the combined weights of Component A and B); and

25 B) said one or more base polymers, Component B, is present in an amount of less than 20 percent by weight (based on the combined weights of Component A and B); and

wherein said base polymer has

1) a total crystallinity of from 5 to 20 percent; and

2) a Brookfield viscosity of from 5,000 to 20,000 cP measured at 350°F. (177°C.)

AMENDED SHEET

26

4. The polymer composition of Claim 1 wherein;

A) said one or more fillers, Component A, is selected from the group consisting of glass fibers, talc, calcium carbonate, alumina trihydrate, glass fibers, marble dust, cement dust, clay, feldspar, silica or glass, fumed silica, alumina, magnesium oxide, magnesium hydroxide, antimony oxide, zinc oxide, barium sulfate, aluminum silicate, calcium silicate, titanium dioxide, titanates, glass microspheres or chalk, hindered phenolics, phosphites, light stabilizers,; plasticizers; tackifiers; waxes; processing aids; stearic acid or a metal salt thereof; crosslinking agents; colorants or pigments; carbon black; graphite; carbon fibers; and blowing agents; and any and all combinations thereof; and

B) said one or more base polymers, Component B, is a homogeneous ethylene/C₃-C₂₀ alpha-olefin interpolpolymer or a polypropylene or propylene/C₄-C₂₀ alpha-olefin copolymer.

5. The polymer composition of Claim 4 wherein;

A) said one or more fillers, Component A, is carbon black; alumina trihydrate, calcium carbonate or any and all combinations thereof; and

B) said one or more base polymers, Component B, is a homogeneous ethylene/propylene or ethylene/octene-1 copolymer or polypropylene.

6. The polymer composition of Claim 1 wherein

i) when calcium carbonate is said filler, the highest ultimate filler loading is greater than 90 weight percent; or

ii) when alumina trihydrate is said filler, the highest ultimate filler loading is greater than 80 weight percent.

7. The polymer composition of Claim 1 wherein B) said one or more base polymers, Component B, is an interpolpolymer of ethylene and at least one of propylene; isobutylene; 1-butene; 1-pentene; 1-hexene; 3-methyl-1-pentene; 4-methyl-1-pentene; 1-hexene and 1-octene.

8. The polymer composition of Claim 7 wherein B) is an interpolpolymer of ethylene and at least one of: propylene and 1-octene.

AMENDED SHEET

27

9. A polymer composition comprising a filler and polymer, selected from homogeneous ethylene/ C_3 - C_{20} alpha-olefin interpolymers or C_3 - C_{20} alpha-olefin homopolymers or interpolymers, characterized in that when said polymer is mixed with calcium carbonate at a concentration of 89 weight percent calcium carbonate, the viscosity of the resulting mixture (when measured on a
- 5 Rheometrics RMS-800 with 25 mm parallel plates at frequency of 100 rad/s at 230 °C in a nitrogen purge) is greater than 1.3×10^4 poise.